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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/002,232	11/02/2001	Curtis Shannon Eide	IBM / 203	2792

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EXAMINER

BONZO, BRYCE P

ART UNIT	PAPER NUMBER
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2114

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DATE MAILED: 07/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/002,232

Applicant(s)

EIDE ET AL.

Examiner

Bryce P Bonzo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 November 2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

NON-FINAL OFFICIAL ACTION

Status of the Claims

Claims 1, 2,4, 5, 7-15, 16-18, 20-29 are rejected under 35 USC §102.

Claims 3, 6, 16 and 19 are rejected under 35 USC §103.

Rejections under 35 USC §102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2,4, 5, 7-15, 17, 18, 20-29 rejected under 35 U.S.C. 102(e) as being anticipated by Arendt (United States Patent No. 6,314,526).

Arendt discloses:

1. A method of managing switchable resources in a first node among a plurality of nodes in a clustered computer system, the method comprising, in the first node (column 5, lines 13-15):

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(a) enrolling at least one additional node with a resource manager to receive notifications of updates to a switchable resource in the clustered computer system (column 6, lines 42-48); and

(b) in response to an update to the switchable resource, notifying each node enrolled with the resource manager of the update (column 7, line 41-51).

2. The method of claim 1, wherein the resource manager is configured to generate notifications for each switchable resource within a domain of the first node (column 7, line 18:resource groups).

4. The method of claim 1, wherein the update comprises addition of the switchable resource to the clustered computer system (column 5, lines 52-56).

5. The method of claim 1, wherein the update comprises modification of configuration data associated with the switchable resource (column 5, lines 39-56).

7. The method of claim 1, wherein notifying each node comprises transmitting configuration data associated with the switchable resource (column 5, lines 39-56).

8. The method of claim 7, wherein the configuration data is selected from the group consisting of unique identifier data, architecture map data, field replaceable unit configuration data, and combinations thereof (column 5, lines 39-56).

9. The method of claim 7, wherein the switchable resource comprises a switchable tower, and wherein the configuration data includes vital product data for the switchable tower and any field replaceable units incorporated therein (column 5, lines 39-56).

10. The method of claim 1, wherein enrolling the additional node comprises enrolling a remote network object with the resource manager (column 5, lines 25-56), the remote network object resident in the first node and configured to communicate with the additional node over a logical communication path (column 6, lines 42-47), and wherein notifying each node enrolled with the resource manager of the update includes communicating configuration data associated with the switched resource over the logical communication path (column 5, lines 39-56; column 6, lines 42-47).

11. The method of claim 10, wherein enrolling the additional node comprises creating a client action object configured to initiate the communication of configuration data over the logical communication path by interacting with the remote network object (column 6, lines 48-65), wherein notifying each node enrolled with the resource manager of the update further includes invoking the client action object (column 6, lines 42-48).

12. The method of claim 1, further comprising enrolling the switchable resource with the resource manager, wherein notifying each node enrolled with the resource manager is

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performed in response to enrolling the switchable resource with the resource manager (column 7, lines 6-16).

13. The method of claim 12, further comprising transmitting to the additional node configuration data associated with each switchable resource enrolled with the resource manager in response to enrolling the additional node with the resource manager (column 5, lines 38-56).

As per claims 14, 15, 17,18, 20-26, these claims are the structural apparatus for carrying out the method for managing switchable resources of claims 1, 2,4, 5, and 7-13 are rejected on the same grounds as cited above.

As per claim 27, this claim is the computers system for carrying out the method for managing switchable resources of claims 1 and is rejected on the same grounds as cited above.

As per claims 28 and 29, these calims are the computer program product for carrying out the method for managing switchable resources of claims 1 and is rejected on the same grounds as cited above.

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Rejections under 35 USC §103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3, 6, 16 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arendt (United States Patent No. 6,314,526).

As per claim 3, Arendt does not explicitly disclose:

wherein the resource manager is configured to generate notifications for each switchable resource within a power domain of the first node. Official Notice is given that having switchable resources on the same power domain is notoriously well known within the art of computer design. In most computer systems, the resources are on the same power domain as they are all powered by the same power supply in the chassis of the computer. Thus it would have been obvious to one of ordinary skill in the art at the time of invention to incorporate the resources being on the same power domain into the system of Arendt, thus making the system compatible with the vast majority of consumer grade computer devices.

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As per claim 6, Arendt does not explicitly disclose:

wherein the switchable resource comprises a switchable tower, and wherein the update comprises a modification to a set of field replaceable units installed within the switchable tower. Official Notice is given that it is well known in the computer arts to enclose a computer system inside of a chassis in the form of tower. The tower is a chassis which takes advantage of open vertical space for computer storage when a large number of plug-in cards or drives are present. Thus it would have been obvious to one of ordinary skill in the art at the time of invention enclose the system of Arendt in a tower, thus making it more space efficient.

As per claims 3 and 6 these claims are the structural apparatus for carrying out the method for managing switchable resources of claims 16 and 19 are rejected on the same grounds as cited above.

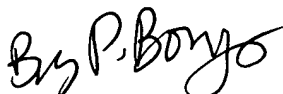
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryce P Bonzo whose telephone number is (703) 305-4834. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (703) 305-9713. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Bryce P Bonzo
Examiner
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